

## Quarterly Report – Public Page

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Prepared for: Department of Transportation/Pipeline and Hazardous Materials  
Safety Administration

Project Title: Reliability of Subsurface Safety Valves

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### Results and Conclusions:

During the fourth quarter of this project Battelle continued on Task 2, which consists of analyzing collected data and using it to develop evaluation criteria for subsurface safety valves (SSSVs). Battelle continued to communicate with UGS operators/subject matter experts regarding the use of SSSVs in their wells and obtaining data related to SSSVs reliability and failure rates. Securing operator well data was challenging due to the fact companies often consider the information as internal and/or proprietary. INGAA coordinated the process for data transfer from the team of industry subject matter experts to Battelle. In addition, Battelle secured an agreement with an industry expert, highly regarded and recommended by multiple industry partners for engagement on this project.

Sandia National Laboratories (SNL) worked to engage additional industry experts, as well as state regulator agencies. These experts can provide additional resources for data. The SNL team plans to use their data mining techniques to facilitate more efficient data analysis.

All of the data obtained by Battelle and SNL will be analyzed and used to develop evaluation criteria for SSSVs. This information will be presented and discussed at an industry workshop, hosted by Battelle at the completion of Task 2, planned for March, 2020.

### Plans for Future Activity:

Battelle plans to complete work on Task 2, analyzing data and developing evaluation criteria for SSSVs, along with working with SNL on their data mining techniques to facilitate efficient data analysis.

In November 2019, the Sandia team will visit Battelle's Columbus offices for a one-day work session.